

Well No.: NBU 16-W22
Permit No.: 06S1264P6273
Inventory No. 0S 6273.015

ENVIRONMENTAL PROTECTION AGENCY
Underground Injection Control Program

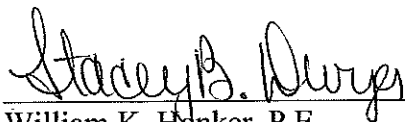
OSAGE MINERAL RESERVE
Authorization to Inject

Chaparral Energy, L.L.C. is hereby authorized to begin injection and operate NBU 16-W22 well, (Inventory No. 0S 6273.015) located at 0890' FSL, 1245' FWL, SE/4, Sec. 11, T 27N, R 05E, as a Class II injection well. The permittee is authorized to inject salt water, polymer, carbon dioxide, and minor amounts of fresh or brackish water for enhanced oil recovery.

Conversion of the well identified herein was authorized by Permit No. 06S1264P6273, dated April 3, 2012. This Authorization to Inject is hereby made a part of the referenced permit.

All requirements and conditions prescribed under Permit No. 06S1264P6273 and any modification apply and remain in full force and effect during the effective period of this permit. The authorization is effective from the date entered below and shall remain in effect unless terminated.

Signed this 25th day of April, 2013.


for William K. Henker, P.E.
Director
Water Quality Protection Division
Environmental Protection Agency
Region 6